

SEE FOLDER FOR  
ELECTRONIC MEDIA(S)



Cheri Sawyer

From: Bhol, Saroj [sbhol@panynj.gov]  
 Sent: Friday, January 31, 2003 11:30 AM  
 To: 'Shyam Sunder'  
 Cc: cauffman@NIST.GOV; cheri.sawyer@NIST.GOV; rgann@NIST.GOV  
 Subject: RE: Laser Survey Data of WTC Towers



wtc

Survey.pdf (1 mb)

Shyam,

Survey was done for the title company, Commonwealth Title, that was insuring the title for GMAC. It was not done for ADA and only shows meets & bounds and outline of buildings. The net lease documents say the survey was done 2/6/01 & updated 5/24/01. It was done by Levell & Belcher. We are not sure if it was a laser survey.

Here's a PDF file; should you prefer it on a CD, I can send one. Originals should be available from the survey firm, if you need.

Thanks

Saroj

-----Original Message-----

From: Shyam Sunder [mailto:sunder@nist.gov]  
 Sent: Thursday, January 30, 2003 5:26 PM  
 To: Bhol, Saroj  
 Cc: Spencer, John; cauffman@nist.gov; cheri.sawyer@nist.gov; rgann@nist.gov  
 Subject: Laser Survey Data of WTC Towers

Saroj,

At one our meetings at PA offices last Spring, there was mention of laser survey data of the WTC towers that may have been done just prior to the transfer to Silverstein. We recall this may have been done for ADA compliance.

Could you please check if this information exists? If it exists, we would appreciate your sending us a CD with the information.

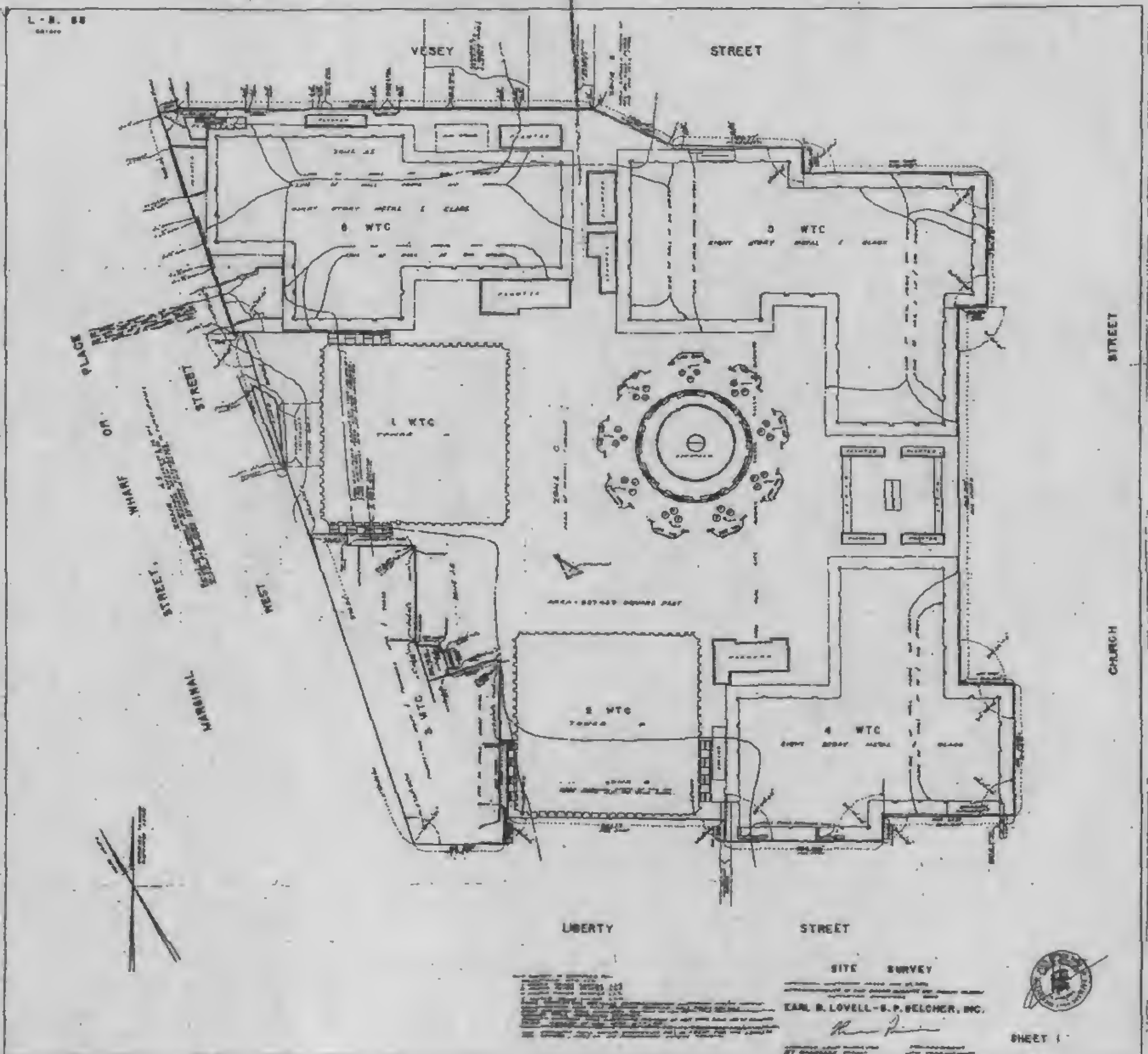
I look forward to your response. Thanks.

Shyam

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Dr. S. Shyam Sunder  
 Chief, Materials and Construction Research Division  
 Building and Fire Research Laboratory  
 National Institute of Standards and Technology  
 100 Bureau Drive Stop 8610 (Building 226, Room B 256) Gaithersburg, MD 20899-8610  
 Tel.: 301-975-6061/6713  
 Fax: 301-975-6122

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MARGINAL STREET. WHARF OR PLACE WEST STREET

WEST STREET

WEST STREET

CHURCH STREET

STREET

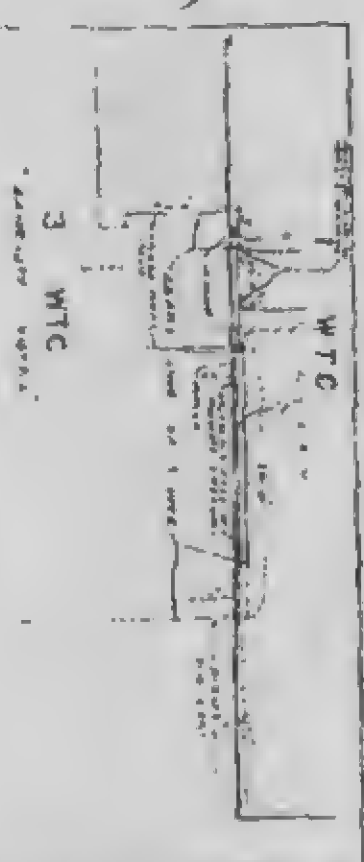
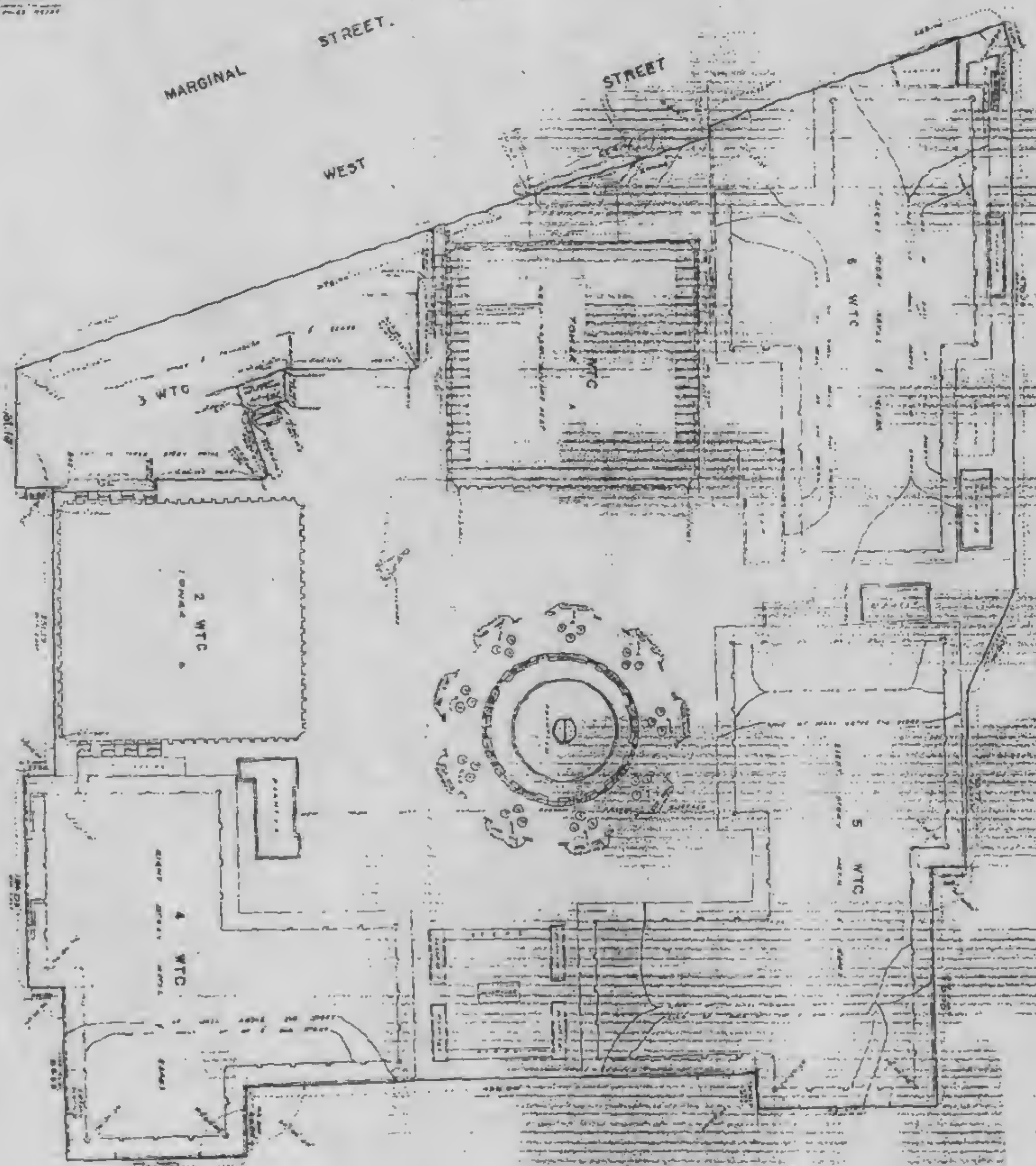
LIBERTY STREET

STREET

1 WTC SKREY

EARL B. LOVELL-S. P. BELCHER, INC.

SHEET 2



L-8. 38

YENNY

STREET

STREET

CHURCH

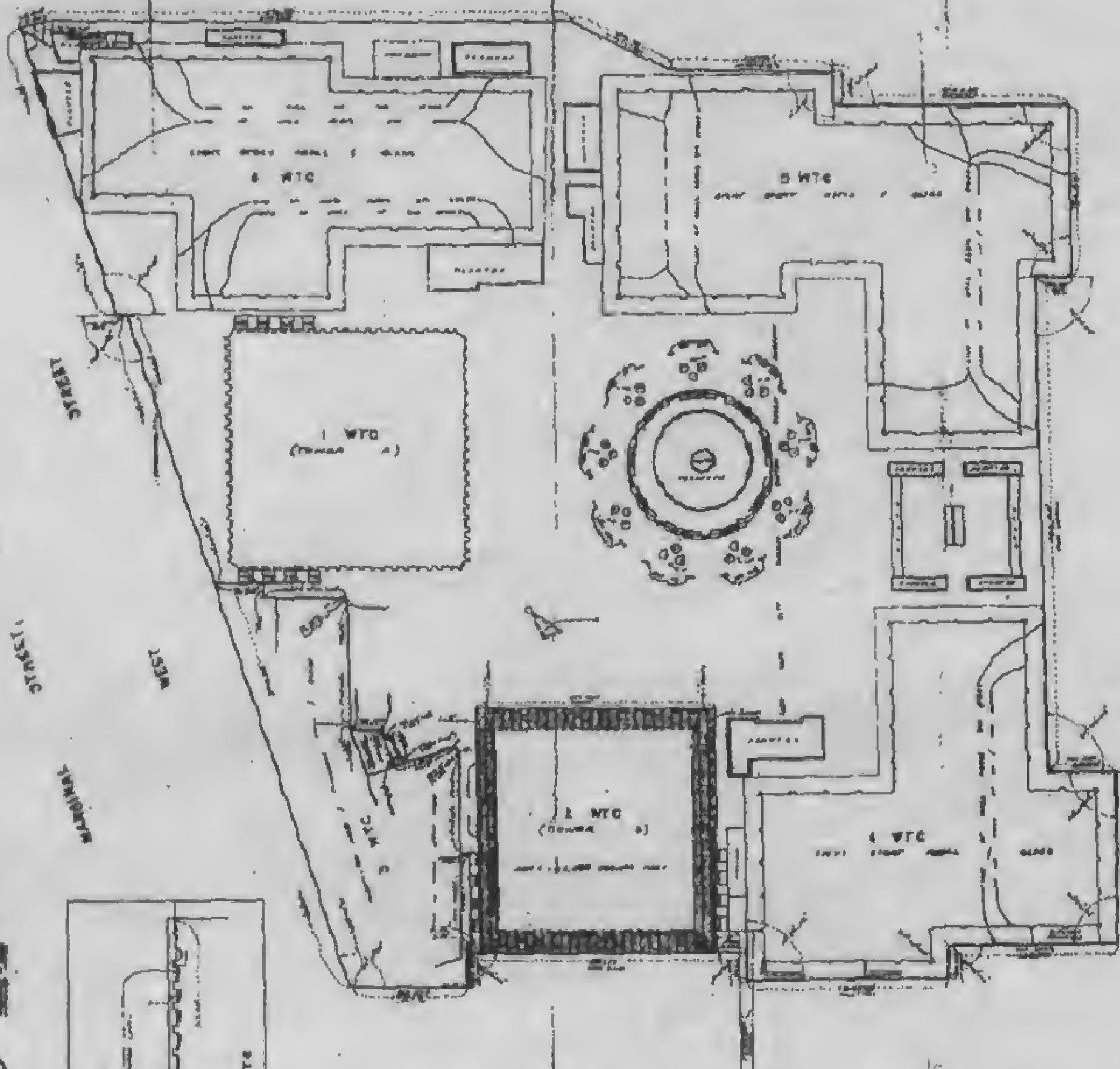
STREET

LIBERTY

2 WTC SURVEY

EARL R. LOVELL - S. P. BELCHER, INC.

SHEET 3



VESEY

STREET

STREET

CHURCH

PLAZA

ON

MANHATTAN

STREET

LIBERTY

STREET

1 WTC  
(OWNER A)

6 WTC

5 WTC

2 WTC  
(OWNER B)

4 WTC

STREET

4 WTC SURVEY

CARL O. LOVELL - S. P. BELCHER, INC.

SHEET 4

NOT TO SCALE  
THIS SURVEY WAS MADE BY THE  
FOLLOWING DATA:  
1. AERIAL PHOTOGRAPHY  
2. FIELD SURVEY  
3. CITY RECORDS  
4. OTHER SOURCES  
THESE DATA WERE USED TO  
DETERMINE THE LOCATION AND  
DIMENSIONS OF THE BUILDING  
AND ITS SURROUNDINGS.  
THE SURVEY WAS MADE BY  
CARL O. LOVELL - S. P. BELCHER, INC.  
ON 10/10/68  
BY CHAMBER STREET





L. P. 38  
1947

VEREY

STREET

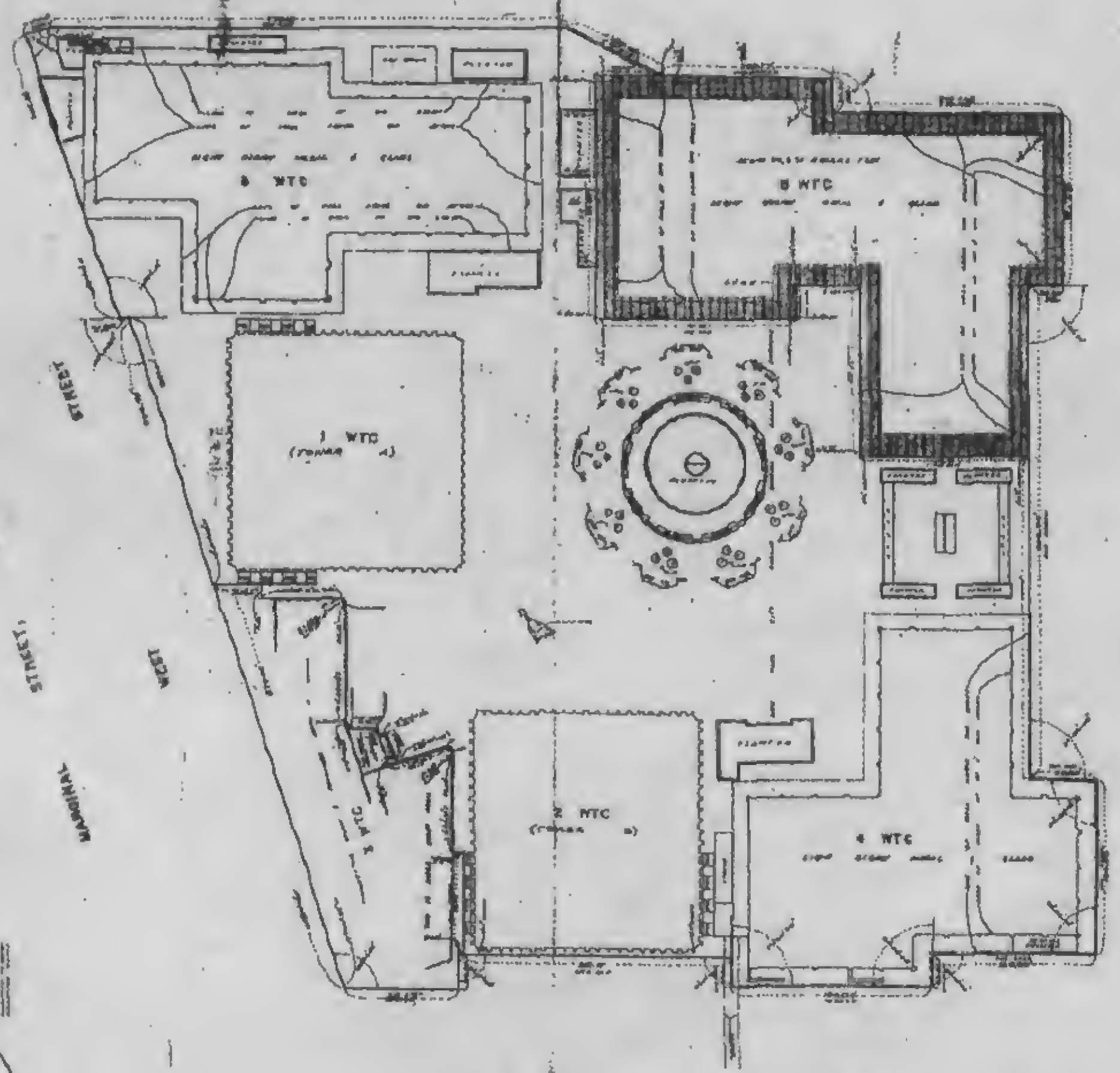
STREET

CHURCH

LIBERTY

STREET

PLACE  
ON  
VINE  
STREET  
MAGNET



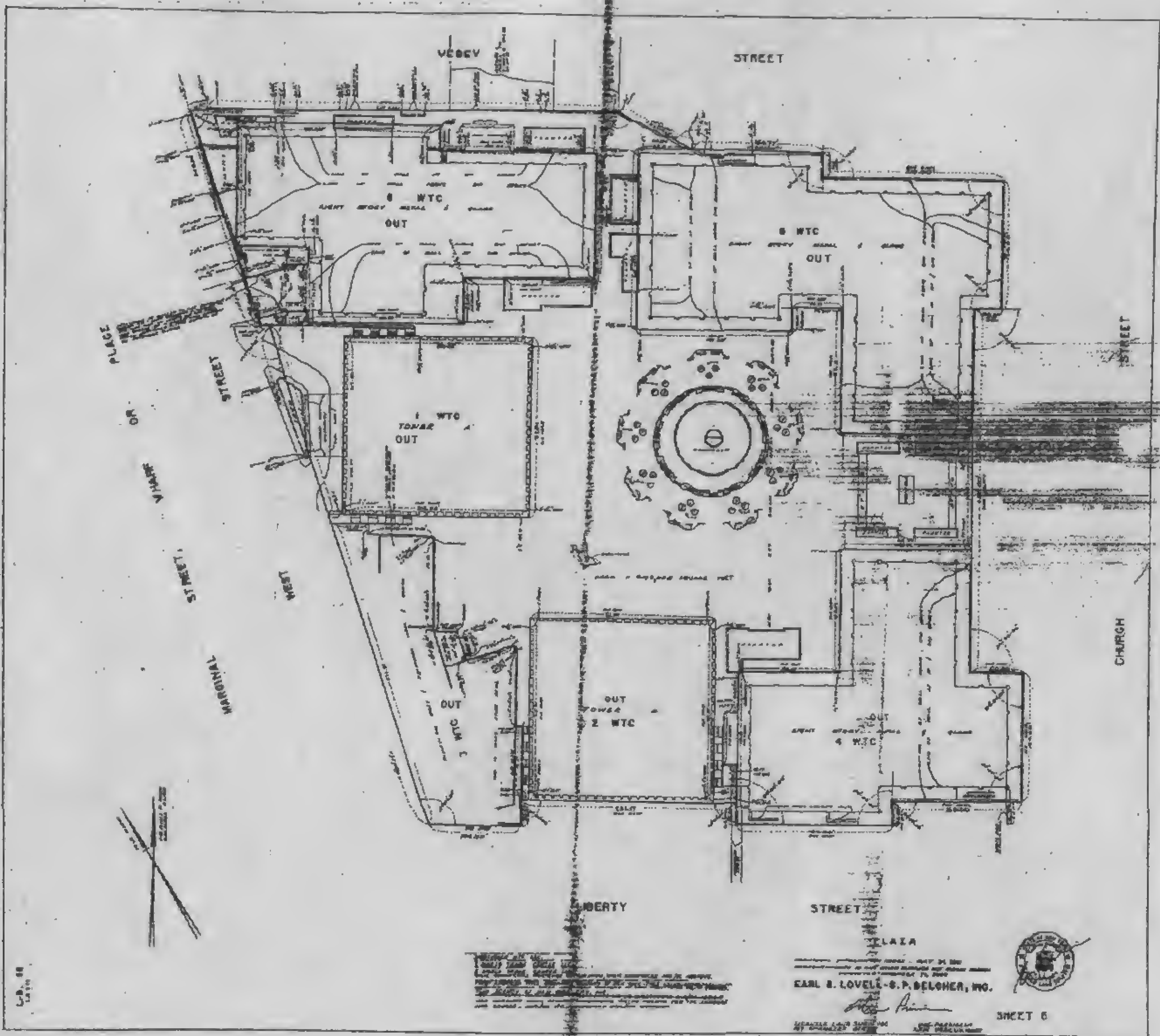
NOTES:  
1. ALL DIMENSIONS ARE IN FEET AND INCHES.  
2. ALL WALLS ARE 12" THICK UNLESS OTHERWISE NOTED.  
3. ALL FLOORS ARE 4" CONCRETE ON 12" GRAVEL.  
4. ALL ROOFS ARE 6" CONCRETE ON 12" GRAVEL.  
5. ALL CEILING ARE 8" CONCRETE ON 12" GRAVEL.  
6. ALL DOORS ARE 4' X 8' UNLESS OTHERWISE NOTED.  
7. ALL WINDOWS ARE 4' X 6' UNLESS OTHERWISE NOTED.  
8. ALL STAIRS ARE 4' X 8' UNLESS OTHERWISE NOTED.  
9. ALL ELEVATORS ARE 4' X 8' UNLESS OTHERWISE NOTED.  
10. ALL HALLS ARE 4' X 8' UNLESS OTHERWISE NOTED.  
11. ALL RECEPTION AREAS ARE 4' X 8' UNLESS OTHERWISE NOTED.  
12. ALL OFFICES ARE 4' X 8' UNLESS OTHERWISE NOTED.  
13. ALL BATHS ARE 4' X 8' UNLESS OTHERWISE NOTED.  
14. ALL KITCHENS ARE 4' X 8' UNLESS OTHERWISE NOTED.  
15. ALL DINING AREAS ARE 4' X 8' UNLESS OTHERWISE NOTED.  
16. ALL LIVING AREAS ARE 4' X 8' UNLESS OTHERWISE NOTED.  
17. ALL BEDROOMS ARE 4' X 8' UNLESS OTHERWISE NOTED.  
18. ALL GARAGES ARE 4' X 8' UNLESS OTHERWISE NOTED.  
19. ALL PORCHES ARE 4' X 8' UNLESS OTHERWISE NOTED.  
20. ALL PATIOS ARE 4' X 8' UNLESS OTHERWISE NOTED.

5 WTC SURVEY

KARL A. LOVELL-S. P. DELCHER, INC.



SHEET 1



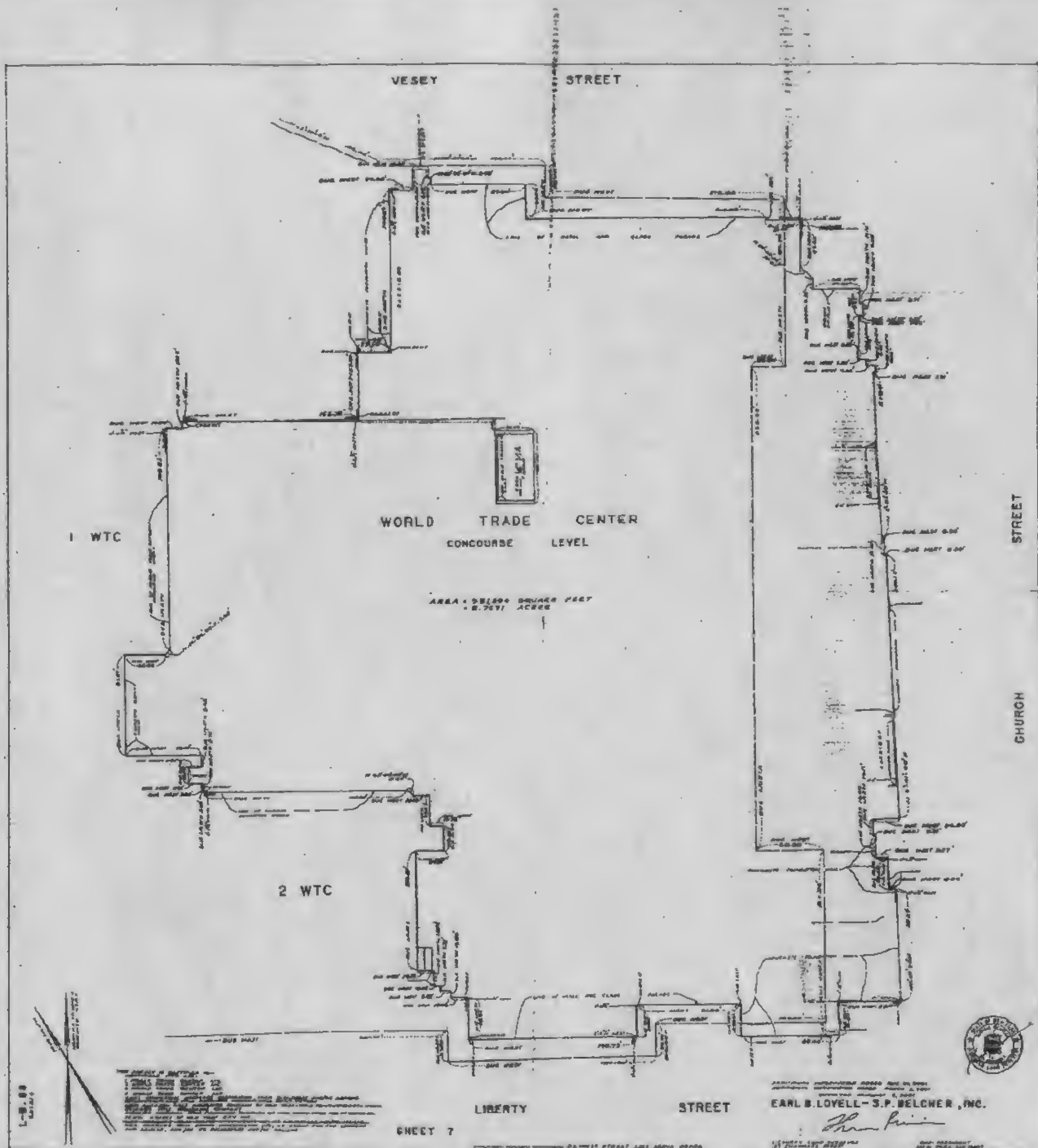
NOT TO SCALE  
THIS PLAN IS A GENERAL REPRESENTATION OF THE PROPOSED DEVELOPMENT AND IS NOT A CONTRACT DOCUMENT. THE EXACT LOCATION, SIZE, AND SHAPE OF THE PROPOSED DEVELOPMENT SHALL BE DETERMINED BY THE CITY OF NEW YORK AND THE STATE OF NEW YORK. THE CITY OF NEW YORK AND THE STATE OF NEW YORK SHALL BE RESPONSIBLE FOR THE ACCURACY OF THIS PLAN.

KARL E. LOVELL - O.P. DELONER, INC.

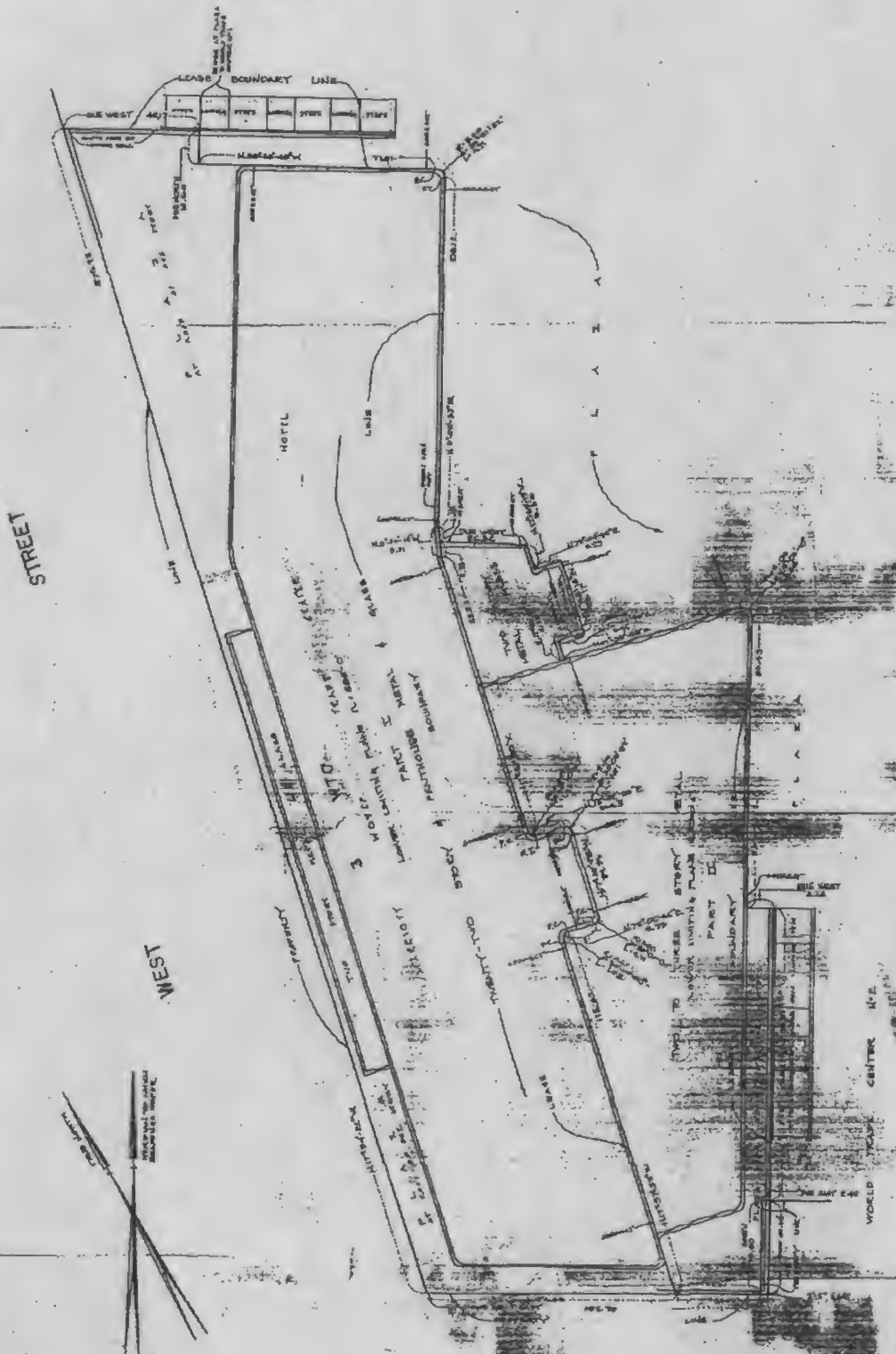


SHEET 6





WORLD TRADE CENTER N°1



THIS PLAN IS BASED UPON THE FOLLOWING ASSUMPTIONS:  
1. THE SITE IS A 100' X 100' SQUARE.  
2. THE BUILDING IS A 100' X 100' SQUARE.  
3. THE BUILDING IS A 100' X 100' SQUARE.  
4. THE BUILDING IS A 100' X 100' SQUARE.  
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10. THE BUILDING IS A 100' X 100' SQUARE.

NOTES:  
1. THE BUILDING IS A 100' X 100' SQUARE.  
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9. THE BUILDING IS A 100' X 100' SQUARE.  
10. THE BUILDING IS A 100' X 100' SQUARE.

LIBERTY STREET

PLAZA LEVEL

FAIR D. LOVELL - S.P. BELCHER, INC.

JOHN J. EITLER  
ARCHITECT  
107 CHAMBERS ST.  
NEW YORK, N.Y. 10007



SHEET 8